

Please amend the subject application as follows:

IN THE CLAIMS

Cancel claim(s) 1, 2, 5, 6, 8, 17-19 and 21 without prejudice.

Amend claim(s) 3, 4, 7, 9, and 10 to read as follows:

5/17
3. (AMENDED) A digital optical communication device comprising:
an optical reception circuit converting an optical signal received from any external source to an electric signal;
a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;
a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit;
a coding circuit coding transmission data;
an optical transmission circuit determining a light emission intensity based on result of the judgement by said reception light intensity level judgement circuit and result of the judgement by said decoding circuit and converting the transmission data coded by said coding circuit to an optical signal with the light emission intensity;
wherein said optical transmission circuit determines the light emission intensity by referring to the intensity level judged by said reception light intensity level judgement circuit if said decoding circuit judges that the decoding is normally completed, and

wherein said optical transmission circuit determines the light emission intensity without referring to the intensity level judged by said reception light intensity level judgement circuit if said decoding circuit judges that the decoding is not normally completed.

4. (AMENDED) A digital optical communication device comprising:
an optical reception circuit converting an optical signal received from any external source to an electric signal;
a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;
a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit;
a coding circuit coding transmission data;
an optical transmission circuit determining a light emission intensity based on result of the judgement by said reception light intensity level judgement circuit and result of the judgement by said decoding circuit and converting the transmission data coded by said coding circuit to an optical signal with the light emission intensity;
an optical fiber connected to said optical transmission circuit; and
an optical fiber connected to said optical reception circuit.

Sub
E1

7. (AMENDED) A digital optical communication device comprising:

- an optical reception circuit converting an optical signal received from any external source to an electric signal;
- a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit, judging whether or not the decoding is normally completed, and extracting reception light intensity information of a secondary station;
- a coding circuit coding transmission data;
- an optical transmission circuit determining a light emission intensity based on the reception light intensity information of the secondary station extracted by said decoding circuit, and converting the transmission data coded by said coding circuit to an optical signal with the light emission intensity;
- an optical fiber connected to said optical transmission circuit; and
- an optical fiber connected to said optical reception circuit.

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9. (AMENDED) A digital optical communication device comprising:

- an optical reception circuit converting an optical signal received from any external source to an electric signal;
- a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;
- a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit;

a coding circuit generating reception light intensity information of a primary station based on result of the judgement by said decoding circuit and result of the judgement by said reception light intensity level judgement circuit and coding transmission data and said reception light intensity information;

an optical transmission circuit converting the reception light intensity information and the transmission data coded by said coding circuit to an optical signal;

wherein said coding circuit encodes said transmission data, said reception light intensity information, and reception normal completion information judged by said decoding circuit, and

wherein said optical transmission circuit converts the transmission data, the reception light intensity information, and the reception normal completion information coded by said coding circuit to the optical signal.

10. (AMENDED) A digital optical communication device comprising:

an optical reception circuit converting an optical signal received from any external source to an electric signal;

a decoding circuit decoding the electric signal resultant from conversion by said optical reception circuit and judging whether or not the decoding is normally completed;

a reception light intensity level judgement circuit judging an intensity level of received light based on the electric signal resultant from conversion by said optical reception circuit;